明治十九年三月刊行

明治十九年三月廿三日出版届濟

定價金拾三錢

Errata in monthly report of January
page 12, line 3, *insert* W. before w_2
„ „ line 22, *for* 1 a. m. *read* 1 p. m.

観象臺長海軍大尉 磯野健 閲
観測士心得海軍少尉 小掠元吉
観測助手海軍省十等出仕 伊藤直温
同 海軍省十四等出仕 岩間侃次郎
同 海軍省十五等出仕 小澤兼藏
同 海軍省十七等出仕 坂口壯輔
同 海軍省十七等出仕 遠藤外與吉

(Signed) Director.
K. Isono.
Observator.
M. Ogura.
Assistant.
N. Itō.
„ K. Iwama.
„ K. Ozawa.
„ S. Sakaguchi.
„ T. Yendō.

REMARKS.

Day.	
1	S to 2.20 a. m. B; L. on the east, about 9 p. m.
2	Dull; Fine & pleasant from about 6 p. m.
3	Fine & pleasant.
4	Fine & pleasant; N. W. w_2 noon — 6 p. m.
5	Fine & pleasant; E. about 10.15 p. m.
6	C; R. from 6 p. m. S. w_2 in p. m.
7	R to 3 a. m. Fine, but dull.
8	Fine, but Dull; S. from 5.40 p. m.
9	B.
10	Fine & pleasant.
11	Dull in a. m. B in p. m. Dull in night.
12	Fine, but dull.
13	Fine, but dull.
14	Fine, but dull; Fine & pleasant in night.
15	Fine & pleasant untill day break; Dull.
16	C; S. 11.40 a . m.— 4 p. m.
17	Dull in a. m. E. 3.05 a. m. B; N. W. w_3 noon — 5 p. m.
18	Fine & pleasant in a. m. B. in p. m. E. 4 p. m.
19	C; E 3 a. m. S past 6 p. m.
20	B; C in night; N. w_2 7 a m.— 8 p m.
21	C.
22	R. 2.30 a. m.-9.30 a. m. C; B. in night.
23	B.
24	B; E. 7.33 a. m.
25	Dull, with blue sky at intervals.
26	C; R. 3.15 p. m.— 5 p. m.
27	C; E. 1.15 a. m. B. in night.
28	Fine & pleasant.

記事

一日 午前二時廿分頃宿雪歇ミ爾後晴午後九時頃東方ニ電光ス

二日 薄陰午後六時頃ヨリ快晴

三日 終日快晴

四日 終日快晴正午ヨリ午後六時迄北西風稍强

五日 快晴午後十時十五分頃地震ス

六日 陰午後六時頃ヨリ降雨午後南風稍强

七日 午前三時頃雨歇ミ爾後薄晴

八日 薄晴午後五時四十分頃ヨリ暫時微雪降ル

九日 晴

十日 快晴

十一日 午前薄陰午後晴夜來復薄陰

十二日 半晴

十三日 半晴

十四日 薄晴夜來快晴

十五日 拂曉迄快晴爾後薄陰

十六日 陰午前十一時四十分頃ヨリ午後四時迄降雪

十七日 午前薄陰同三時五分地震シ午後漸々晴正午ヨリ午後五時迄北西强風

十八日 午前快晴午後晴同四時頃地震ス

十九日 陰午前三時頃地震シ午後六時過暫時降雪ス

二十日 晴夜來漸々陰午前七時ヨリ午後八時迄北風稍强

廿一日 終日陰天

廿二日 午前二時三十分頃ヨリ同九時三十分迄降雨爾後陰夜ニ入リ晴

廿三日 晴

廿四日 晴午前七時三十三分地震ス

廿五日 薄陰時々晴ヲ催ス

廿六日 陰午後三時十五分頃ヨリ同五時頃迄微雨

廿七日 陰午前一時十五分頃地震シ夜來漸々晴

廿八日 快晴

地平磁針力
HORIZONTAL INTENSITY.

9th Beginning / Ending time 2ʰ 30ᵐ / 3 40 P. M. 九日午後二時三十分ヨリ同三時四十分ニ至ル

偏針角 Deflections.

磁氣 Mag.	北端 North end.	No.	A ° ′ ″	B ′ ″	Mean. ′ ″	No.	A ° ′ ″	B ′ ″	Mean. ′ ″
東 East.	E.	1	184 13 0	12 20	12 40				
	W.					2	177 27 40	27 0	27 20
	E.	3	13 10	12 30	12 50				
	W.					4	27 40	27 0	27 20
	E.	5	13 20	12 30	12 55				
平均 Means			184° 12′ 48″.3				.... 177° 27′ 20″.0		
西 West.	W.					6	177 23 40	22 50	23 15
	E.	7	184 5 50	5 10	5 30				
	W.					8	23 50	23 0	23 25
	E.	9	5 50	5 0	5 25				
	W.					10	23 50	23 0	23 25
平均 Means.			184° 5′ 27″.5				.... 177° 23′ 21″.7		

平均温度 Mean Temperature t = 46°.0 fah.

偏針角 Angle of Deflection u = 3° 21′ 53″.5

搖振時 Oscillations.

振數 No. of Osc.	測時 Time. h m s	温度 Temp. °	尺度兩端之視閲數 Extreme. Scale-readings.		百振之時 Time of 100 Oscillations. m s
0	3 26 6.5	46.4	8.1	51.0	
10	26 50.9				
20	27 35.1				
31	28 23.7				
41	29 8.0				
51	29 52.1				
100	33 29.0				7 22.5
110	34 13.0				22.1
120	34 57.2				22.1
131	35 46.0				22.3
141	36 30.1				22.1
151	37 14.3	47.3	18.8	40.2	22.2
平均 Means.		46.8	....		7 22.22

拗捩差 Mean effect of 90° of Torsion v = 2.71

時儀日差 Daily rate s = 0ˢ15 losing.

成果 Resulting absolute value X = 6.3138

23rd Beginning / Ending time 2ʰ 35ᵐ / 3 40 P. M. 廿三日午後二時三十五分ヨリ三時四十分ニ至ル

偏針角 Deflections.

磁氣 Mag.	北端 North end.	No.	A ° ′ ″	B ′ ″	Mean. ′ ″	No.	A ° ′ ″	B ′ ″	Mean. ′ ″
東 East.	E.	1	63 16 30	15 50	16 10				
	W.					2	56 32 0	31 20	31 40
	E.	3	16 50	16 20	16 35				
	W.					4	32 20	31 40	32 0
	E.	5	16 40	16 0	16 20				
平均 Means			36° 16′ 21″.7				.... 56° 31′ 50″.0		
西 West.	W.					6	56 28 40	28 0	28 20
	E.	7	63 11 20	10 30	10 55				
	W.					8	29 0	28 20	28 40
	E.	9	11 20	10 40	11 0				
	W.					10	28 50	28 10	28 30
平均 Means.			63° 10′ 57″.5				.... 56° 28′ 30″.0		

平均温度 Mean Temperature t = 48°.8 fah.

偏針角 Angle of Deflection u = 3° 21′ 44″.8

搖振時 Oscillations.

振數 No. of Osc.	測時 Time. h m s	温度 Temp. °	尺度兩端之視閲數 Extreme Scale-readings.		百振之時 Time of 100 Oscillations. m s
0	3 21 21.2	48.7	2.3	56.2	
10	22 5.5				
20	22 49.6				
31	23 38.0				
41	24 22.6				
51	25 7.0				
100	28 43.7				7 22.5
110	29 27.7				22.2
120	30 12.0				22.4
131	31 0.8				22.8
141	31 45.0				22.4
151	32 29.5	49.0	14.2	44.0	22.5
平均 Means.		48.9	....		7 22.[illegible]7

拗捩差 Mean effect of 90° of Torsion v = 2.33

時儀日差 Daily rate s = 4ˢ.49 gaining.

成果 Resulting absolute value X = 6.3120

磁氣觀測之月報

東京海軍觀象臺

MONTHLY REPORT OF THE MAGNETICAL OBSERVATIONS,
NAVAL OBSERVATORY, TOKIO.

磁氣偏差 Magnetic Declination.

Day.	° ′	Day.	° ′	Day.	° ′	Day.	° ′	Day.	° ′	Day.	° ′	Day.	° ′		
1	4 6.1	5	4 7.5	9	4 5.1	13	4 9.0	17	4 6.9	21	4 6.8	25	4 7.9		
2	4 6.3	6	4 7.8	10	4 6.2	14	4 9.6	18	4 7.5	22	4 6.7	26	4 6.1		
3	4 6.6	7	.. ....	11	4 8.8	15	4 9.6	19	4 5.9	23	4 7.3	27	4 5.8		
4	4 6.1	8	4 5.7	12	4 12.8	16	4 7.8	20	4 7.6	24	4 2.1	28	4 7.3		

平均 Mean = 4° 7′.15

磁氣傾差 Magnetic Inclination.

9th Beginning / Ending time 4h 18m / 4 50 P. M. 九日午後四時十八分ヨリ同五十分ニ至ル

極端 A Polarity of Marked end A.								極端 B Polarity of Marked end B.							
東面圈 Circle E.				西面圈 Circle W.				西面圈 Circle W.				東面圈 Circle E.			
東面針 Face E.		西面針 Face W.		東面針 Face E.		西面針 Face W.		西面針 Face W.		東面針 Face E.		西面針 Face W.		東面針 Face E.	
A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
49 45	49 45	49 18	49 16	49 50	49 53	49 46	49 43	49 13	49 14	49 40	49 43	49 28	49 29	49 21	49 23
49 38	49 38	49 26	49 24	49 45	49 46	49 44	49 42	49 20	49 19	49 34	49 37	49 33	49 31	49 25	49 26
49 41.5	49 41.5	49 22.0	49 20.0	49 47.5	49 49.5	49 45.0	49 42.5	49 16.5	49 16.5	49 37.0	49 40.0	49 30.5	49 30.0	49 23.0	49 24.5
49 41.5		49 21.0		49 48.5		49 43.7		49 16.5		49 38.5		49 30.2		49 23.8	
49 31.3				49 46.1				49 27.5				49 27.0			
49 38.7								49 27.3							

成果 Resulting Dip = 49° 33′.0

23rd Beginning / Ending time 4h 0m / 5 0 P. M. 廿三日午後四時零分ヨリ五時零分ニ至ル

極端 A Polarity of Marked end A.								極端 B Polarity of Marked end B.							
東面圈 Circle E.				西面圈 Circle W.				西面圈 Circle E.				東面圈 Circle E.			
東面針 Face E.		西面針 Face W.		東面針 Face E.		西面針 Face W.		西面針 Face W.		東面針 Face E.		西面針 Face W.		東面針 Eace E.	
A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′	° ′
49 42	49 41	49 26	49 20	49 27	49 27	49 48	49 46	49 38	49 38	49 32	49 35	49 44	49 47	49 16	49 20
49 39	49 40	49 37	49 33	49 33	49 34	49 49	49 47	49 38	49 38	49 31	49 33	49 31	49 33	49 15	49 19
49 40.5	49 40.5	49 31.5	49 26.5	49 30.0	49 30.	49 48.5	49 46.5	49 38.0	49 38.0	49 31.5	49 34.0	49 37.5	49 40.0	49 15.5	49 19.5
49 40.5		49 29.0		49 30.3		49 47.5		49 38.0		49 32.8		49 38.7		49 17.5	
49 34.7				49 38.9				49 35.4				49 28.1			
49 36.8								49 31.8							

成果 Resulting Dip = 49° 34′.3

天候
WEATHER.

日次 Date.	雲之種類 Kind of Cloud. 卷雲 Cirrus.	積雲 Cumulus.	層雲 Stratus.	卷積雲 Cirro-Cumulus.	卷層雲 Cirro-Stratus.	積層雲 Cumulo-Stratus.	卷積層雲 Cirrus-Cumulo-Stratus.	降雨 Rain.	降雪 Snow.	靄霧 Fog.	全晴 Clear.	陰部 Obscured part.	雨雪水積 Amount of Rain & Snow.
													in
1	...	...	...	8	...	...	...	...	...	...	...	6.4	0.20
2	...	...	...	8	...	...	...	...	...	...	...	5.6	...
3	...	...	1	5	...	...	...	...	...	...	2	1.1	...
4	...	...	2	1	...	...	...	...	...	...	5	0.4	...
5	...	...	...	6	...	...	...	...	...	...	2	1.8	...
6	...	...	...	6	...	...	...	2	...	...	...	9.8	...
7	...	...	...	8	...	...	...	...	...	...	...	6.9	0.66
8	...	...	...	7	...	...	...	...	1	...	...	6.4	...
9	...	...	...	6	...	...	...	...	...	...	2	1.8	...
10	...	...	...	5	...	...	...	...	...	...	3	1.3	...
11	...	...	...	8	...	...	...	...	...	...	...	7.4	...
12	...	...	...	7	1	...	...	...	...	...	...	4.9	...
13	...	...	...	7	...	...	...	...	...	...	1	5.8	...
14	...	...	...	8	...	...	...	...	...	...	...	5.0	...
15	1	...	...	7	...	...	...	...	...	...	...	7.1	...
16	...	6	...	1	...	...	...	...	1	...	...	9.8	...
17	...	...	...	8	...	...	...	...	...	...	...	4.1	...
18	...	...	...	6	...	...	...	...	...	...	2	3.1	...
19	...	...	...	8	...	...	...	...	...	...	...	8.9	...
20	...	...	...	7	...	...	...	...	...	...	1	4.8	...
21	...	...	...	8	...	...	...	...	...	...	...	9.9	...
22	...	...	...	4	1	...	...	3	...	...	...	8.0	0.26
23	1	...	...	6	...	...	1	...	...	...	...	4.3	...
24	...	...	...	8	...	...	...	...	...	...	...	2.5	...
25	...	...	...	8	...	...	...	...	...	...	...	7.8	...
26	...	...	...	8	...	...	...	...	...	...	...	8.1	...
27	...	...	...	7	...	...	...	...	...	...	1	7.9	...
28	...	...	...	5	...	...	...	...	...	...	3	2.1	...
合計 Sums.	2	6	3	181	2	...	1	5	2	...	22	...	1.12
平均 Means.	...	...	...	...	...	...	...	...	...	...	...	0.55	...

風 WIND.

日次 Date.	平穩時數 Hours of Calm.	北 N. 時數 Number of Hours.	北 N. 速力 Number of Miles.	北東 N.E. 時數 Number of Hours.	北東 N.E. 速力 Number of Miles.	東 E. 時數 Number of Hours.	東 E. 速力 Number of Miles.	南東 S.E. 時數 Number of Hours.	南東 S.E. 速力 Number of Miles.	南 S. 時數 Number of Hours.	南 S. 速力 Number of Miles.	南西 S.W. 時數 Number of Hours.	南西 S.W. 速力 Number of Miles.	西 W. 時數 Number of Hours.	西 W. 速力 Number of Miles.	北西 N.W. 時數 Number of Hours.	北西 N.W. 速力 Number of Miles.	合計 Total. 時數 Number of Hours.	合計 Total. 速力 Number of Miles.	最强 Strongest. 方位 Directions.	最强 Strongest. 速力 Miles.
			Mile.		Mile		Mile.		Mile.		Mile.		Mile		Mile		Mile		Mile		Mile.
1	2	14	36.7	8	18.3	..	...	..	...	..	...	..	...	..	...	..	...	24	55.0	N.	6.9
2	...	23	158.4	..	...	..	...	..	...	..	...	..	...	..	...	1	6.9	24	165.3	N.	10.8
3	4	11	48.1	..	...	..	...	..	...	..	...	..	...	..	...	9	37.0	24	85.1	N.W.	8.2
4	...	12	75.6	..	...	..	...	..	...	..	...	..	...	..	...	12	119.6	24	195.2	N.W.	18.5
5	5	..	...	2	4.5	1	1.2	7	18.2	..	...	..	...	..	...	9	22.0	24	45.9	S.E.	4.8
6	9	2	[illegible].9	1	2.7	..	...	..	...	8	127.3	4	51.8	..	...	..	...	24	184.7	S.	22.3
7	1	4	36.1	..	...	3	6.5	2	3.9	2	24.1	2	8.2	..	...	6	33.7	24	112.5	S.	20.2
8	...	17	154.6	..	...	4	4.6	1	1.0	1	1.1	..	...	..	...	1	1.4	24	162.7	N.	20.0
9	4	13	50.5	1	4.0	..	...	..	...	..	...	4	44.4	1	2.0	1	4.5	24	105.4	S.W.	17.9
10	4	7	14.0	..	...	2	5.4	..	...	..	...	9	25.8	..	...	2	6.1	24	51.3	N.	7.0
11	...	12	51.2	3	7.5	..	...	9	24.9	..	...	..	...	..	...	..	...	24	83.6	N.	6.2
12	1	23	171.5	..	...	..	...	..	...	..	...	..	...	..	...	..	...	24	171.5	N.	11.7
13	4	5	25.6	..	...	7	40.1	1	5.3	1	6.0	..	...	2	1.3	4	4.9	24	83.2	E.	8.4
14	2	7	54.5	..	...	2	9.2	4	22.4	1	1.0	..	...	4	7.9	4	12.0	24	107.0	N.	12.2
15	4	..	...	..	...	1	5.0	4	9.3	1	2.0	..	...	4	30.4	10	85.4	24	132.1	N.W.	16.4
16	5	10	37.5	..	...	..	...	1	5.0	..	...	..	...	1	0.5	7	13.1	24	56.1	N.	5.8
17	...	11	62.8	1	3.8	..	...	..	...	..	...	..	...	..	...	12	158.4	24	225.0	N.W.	* 23.0
18	2	6	37.7	..	...	..	...	..	...	..	...	..	...	5	14.1	11	52.6	24	104.4	N.W.	10.8
19	...	14	102.6	1	5.8	3	1.44	5	22.6	..	...	..	...	..	...	1	8.5	24	153.9	N.	9.7
20	1	18	20.23	3	5.4	..	...	..	...	..	...	..	...	..	...	2	21.3	24	229.0	N.	17.1
21	3	7	22.7	7	13.9	5	7.3	1	1.3	..	...	..	...	..	...	1	4.5	24	49.7	N.	5.4
22	...	16	58.8	..	...	1	1.7	5	8.2	..	...	..	...	..	...	2	0.4	24	69.1	N.	7.7
23	...	6	48.1	..	...	3	12.4	4	13.5	3	10.4	..	...	3	5.4	5	15.5	24	105.3	N.	10.6
24	2	10	69.8	..	...	..	...	5	32.6	3	5.7	..	...	1	3.9	3	17.7	24	127.9	N.	13.4
25	5	16	80.4	1	0.2	..	...	2	1.3	..	...	..	...	..	...	..	...	24	81.9	N.	8.5
26	3	8	50.5	2	1.9	..	...	7	11.6	..	...	..	...	..	...	4	5.4	24	69.4	N.	10.6
27		13	114.0	4	19.2	6	26.2	1	6.2	..	...	..	...	..	...	...	...	24	165.6	N.	11.7
28	2	11	101.2	..	...	..	...	1	6.9	5	33.8	..	...	1	4.7	4	25.5	24	172.1	N.	14.7
合計 Sums.	67	296	1868.1	34	87.2	38	134.0	60	194.2	25	211.4	19	130.2	22	70.2	111	656.4	672	3351.7	...	...
極强 Max.	...	..	...	..	..	..	...	..	...	..	...	..	...	..	...	..	...	...	...	N.W.	23.0

濕氣百分數

HUMIDITY.

(Saturation = 100)

日次 Date.	午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Midnight.
1	98	100	59	74	75	92	82	84
2	73	70	65	52	49	58	59	66
3	59	75	42	61	52	70	66	85
4	74	79	80	57	56	65	58	58
5	84	57	78	49	51	80	84	80
6	78	79	80	72	70	90	94	96
7	100	96	74	96	52	70	89	67
8	57	57	65	55	58	65	58	57
9	48	52	56	47	50	68	57	58
10	90	60	68	59	63	70	65	89
11	72	77	76	65	61	75	84	92
12	64	38	53	47	46	51	49	54
13	55	64	61	58	45	52	51	55
14	57	58	69	56	59	54	58	58
15	52	57	74	49	50	70	74	71
16	70	58	68	76	92	94	92	87
17	72	69	63	53	77	99	97	94
18	91	97	94	48	47	56	82	58
19	62	64	78	63	56	70	67	84
20	80	52	59	64	49	53	64	67
21	94	74	75	60	66	79	74	74
22	75	91	78	84	79	89	94	63
23	68	72	56	64	61	65	56	59
24	53	47	55	48	53	67	75	62
25	74	62	63	65	62	72	83	83
26	86	86	69	60	76	59	64	61
27	60	59	51	51	55	69	85	82
28	62	59	50	42	48	66	76	95
平均 Means.	72	68	66	60	59	71	73	73

日次 Date.	蒸發力 ELASTIC FORCE OF VAPOUR.							
	午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Midnight.
	in	in	in	in	in	in	in	in
1	0.156	0.120	0.099	0.160	0.163	0.160	0.131	0.120
2	0.120	0.095	0.095	0.131	0.120	0.118	0.103	0.097
3	0.073	0.085	0.065	0.144	0.129	0.131	0.102	0.117
4	0.100	0.093	0.146	0.141	0.152	0.145	0.111	0.121
5	0.119	0.082	0.170	0.163	0.172	0.214	0.189	0.144
6	0.147	0.149	0.172	0.239	0.281	0.336	0.364	0.397
7	0.283	0.276	0.289	0.331	0.270	0.305	0.280	0.182
8	0.131	0.114	0.142	0.166	0.150	0.204	0.116	0.100
9	0.080	0.077	0.115	0.143	0.130	0.140	0.090	0.082
10	0.102	0.070	0.125	0.178	0.205	0.187	0.145	0.164
11	0.127	0.141	0.151	0.181	0.208	0.204	0.204	0.189
12	0.130	0.083	0.118	0.126	0.121	0.111	0.090	0.083
13	0.073	0.076	0.130	0.143	0.137	0.124	0.098	0.090
14	0.086	0.081	0.129	0.161	0.158	0.131	0.109	0.096
15	0.078	0.097	0.148	0.126	0.154	0.142	0.152	0.121
16	0.101	0.093	0.119	0.159	0.179	0.181	0.170	0.158
17	0.131	0.116	0.115	0.137	0.202	0.204	0.174	0.149
18	0.117	0.114	0.204	0.142	0.140	0.129	0.145	0.110
19	0.101	0.111	0.155	0.157	0.169	0.174	0.146	0.158
20	0.133	0.081	0.119	0.162	0.133	0.114	0.110	0.111
21	0.127	0.100	0.135	0.133	0.162	0.191	0.149	0.149
22	0.148	0.169	0.156	0.202	0.238	0.238	0.228	0.149
23	0.118	0.119	0.155	0.212	0.189	0.187	0.134	0.110
24	0.097	0.079	0.124	0.154	0.184	0.190	0.193	0.134
25	0.137	0.111	0.138	0.177	0.192	0.199	0.190	0.181
26	0.172	0.151	0.175	0.243	0.259	0.208	0.188	0.176
27	0.157	0.144	0.139	0.159	0.178	0.190	0.198	0.174
28	0.122	0.115	0.133	0.167	0.174	0.193	0.178	0.218
平均 Means.	0.124	0.112	0.141	0.169	0.177	0.180	0.160	0.146

露點温度

DEW POINT.

日次 Date.	午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Midnight.
	°	°	°	°	°	°	°	°
1	28.5	22.5	18.2	29.1	29.5	29.1	24.4	22.4
2	18.9	17.4	17.3	24.3	22.4	22.0	19.1	17.7
3	11.9	14.7	9.0	26.5	24.0	24.3	18.9	21.9
4	18.5	16.7	26.8	26.0	27.8	26.7	20.7	22.7
5	22.3	14.0	30.5	29.5	30.8	36.2	33.2	26.5
6	27.0	27.3	30.8	39.2	43.4	48.1	50.2	52.6
7	43.0	42.9	44.1	47.7	42.3	45.5	43.3	32.1
8	24.3	21.2	26.1	29.9	27.5	35.1	21.7	18.4
9	13.6	12.9	21.5	26.4	24.1	25.9	16.0	14.2
10	18.9	10.8	23.4	31.6	35.2	32.9	26.6	29.6
11	23.6	26.0	27.7	32.6	35.6	35.1	35.1	33.2
12	24.1	14.3	22.0	23.5	22.6	20.6	16.0	14.4
13	11.7	12.5	24.1	25.3	25.3	23.2	18.0	16.1
14	15.0	13.8	24.0	20.2	28.8	24.4	20.2	17.6
15	13.1	17.8	27.1	23.5	28.1	26.1	27.8	22.6
16	18.6	16.9	22.3	28.9	31.7	32.0	30.4	28.7
17	24.4	21.7	21.5	25.3	34.8	35.0	31.1	27.3
18	21.9	21.2	35.1	26.1	25.8	24.0	26.7	20.4
19	18.7	20.6	38.3	28.6	30.3	31.1	26.9	28.8
20	24.6	13.7	22.3	29.3	24.6	11.2	20.5	20.7
21	23.7	18.5	25.0	24.7	29.3	33.4	27.4	27.4
22	27.1	30.3	28.5	34.8	30.0	39.1	37.9	27.4
23	22.1	22.2	28.3	36.0	33.2	32.9	24.8	20.5
24	17.7	13.3	23.1	28.2	32.4	33.3	33.7	24.8
25	25.3	20.7	25.5	31.5	33.5	34.4	33.3	32.0
26	30.8	27.7	31.2	39.6	41.2	35.6	33.1	31.3
27	28.6	26.5	25.7	28.9	31.6	33.3	34.3	31.0
28	22.9	21.5	24.6	30.0	31.1	33.7	31.6	36.8
平均 Means.	22.2	20.0	25.5	29.9	30.9	31.2	28.0	25.7

寒暑鍼

THERMOMETER.

日次 Date.	午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Midnight.
	°	°	°	°	°	°	°	°
1	29 0	22.5	31.9	36.8	36.8	31.0	29.0	26.7
2	26.8	25.9	27 9	40.1	39.8	35.0	31.3	27.2
3	23.9	21.0	27 5	38.8	40.2	33.0	28.6	25.6
4	25.0	22.7	30 2	41.2	41.5	36.5	33.3	34.0
5	30.1	27.4	37.1	47.5	48.7	41.8	37.5	32.5
6	33.0	33.0	36.0	48.1	53.4	50.9	52 0	53.2
7	42.4	43.5	51.9	59 0	60.2	54.9	46.0	42.7
8	38.0	34.5	36 2	45 2	40.9	46.0	35.0	31.5
9	28.4	27.8	35.5	45.4	41.5	35.5	30.5	26.4
10	21.3	22.2	33.5	45.0	47.7	42.0	37.0	32.9
11	31.0	32 0	34.2	43.5	48.7	41.5	39.7	35.3
12	35 0	38.6	37.4	42 5	41.3	36.5	32.5	27.8
13	24.9	22 3	35.9	40.2	45.6	39.0	33.7	29.6
14	28.7	26.0	32.4	44.0	42.2	39.2	33.2	30.0
15	28.8	30.6	34.2	40.9	45.7	34.6	34.9	30.3
16	27.2	29 2	31.4	35.3	33.8	33.5	32.7	32.0
17	32.2	30 0	32.6	41.1	41.1	35.3	31.8	28.8
18	24.0	22 0	36.8	44 5	46.1	38.5	31.3	33.0
19	29.9	30.5	34.2	40.2	45.0	40.1	36.8	33.0
20	29.7	28.0	34.7	40.8	42.3	36.1	31.6	29.9
21	25.0	25.0	31.8	36.9	39.6	39 6	34.8	34.8
22	34 0	32.8	34 2	39.4	45.0	42.2	39.5	39.0
23	33.2	29.8	42.8	47.8	46.0	44.0	39.2	32.8
24	32.5	30 8	38.0	46.7	49.0	43.5	41.5	36.0
25	32 1	32.0	36.9	42.5	45.7	42.8	38.0	36.8
26	34.3	31 0	40 3	53.0	48.5	49.3	45.0	43 7
27	41.6	40.0	42.7	46.0	47.0	42.8	38.5	36.0
28	34.8	34.0	42.0	52.5	50.0	44.5	38.4	38.0
平均 Means.	30.6	29.4	35.7	43.8	41.8	40.3	36.2	33.6

改正風雨鍼

BAROMETER.

Reduced to 32° F. and sea level.

日次 Date.	午前三時 3 A. M.	午前六時 6 A. M.	午前九時 9 A. M.	正午 Noon.	午後三時 3 P. M.	午後六時 6 P. M.	午後九時 9 P. M.	正子 Midnight.
	in	in	in	in	in	in	in	in
1	29.494	29.503	29 494	29.423	29 406	29.450	29.502	29.533
2	29.557	29.579	29.646	29.634	29.651	29.716	29.752	29.789
3	29.763	29 801	29.776	29.780	29.771	29.773	29.858	29.883
4	29.915	29 971	30.013	29.992	30.011	30.098	30.165	30.203
5	30 185	30.243	30.271	30.235	30 224	30.263	30.265	30 247
6	30.210	30.198	30.146	30.044	29.962	29.914	29.852	29.677
7	29.588	29.596	29 692	29.547	29 488	29.479	29 498	29.574
8	29.640	29.751	29.774	29.706	29.704	29.735	29.787	29.776
9	29.774	29.765	29.729	29.696	29.689	29.779	29.804	29.833
10	29 845	29.871	29.899	29.872	29.818	29.872	29.876	29.853
11	29 875	29.863	29 932	29.889	29.838	29.830	29.800	29.781
12	29.773	29.811	29.759	29.782	29.782	29.856	29.895	29.872
13	29.862	29 865	29.879	29.847	29.818	29.854	29.917	29.907
14	29.951	29.947	29.945	29.891	29.868	29 940	30.025	30.086
15	30.053	30.096	30.161	30.129	30.106	30.132	30.131	30.081
16	30.054	30.046	30.035	29.992	29 928	29.907	29.884	29.870
17	29.857	29.913	29 923	29.906	29.943	30.040	30 108	30.128
18	30.150	30.200	30 195	30.176	30.144	30.190	30.234	30.263
19	30.233	30.247	30 244	30.219	30.136	30.164	30.206	30 196
20	30.213	30.201	30.289	30.289	30.285	30.332	30.404	30.383
21	30 356	30.355	30.371	30 304	30.230	30.202	30.156	30.109
22	30 008	29 907	29.819	29 775	29.726	29.766	29 831	29.886
23	29.887	29.933	29.945	29 917	29.924	29.978	30.071	30 129
24	30.136	30.175	30.208	30.194	30.156	30.190	30.216	30.224
25	30.251	30.268	30.314	30.280	30.242	30.214	30.203	30.123
26	30.092	30.019	29.992	29.915	29.845	29 829	29.871	29.925
27	29 959	29.999	30.045	30 023	29.991	30.009	29.980	29.994
28	30.017	30.040	30.069	30.052	30.022	30.071	30.082	30.138
平均 Means.	29.954	29.970	29.985	29.947	29.918	29.949	29.978	29.981

氣象觀測之月報

東京海軍觀象臺

MONTHLY REPORT

OF THE

METEOROLOGICAL OBSERVATIONS,

NAVAL OBSERVATORY, TOKIO.

Lat. 35° 37′ 17″5 N. Long. 139° 44′ 30″3 E. Height above Sea-level, 70 feet.

日次 Date.	改正風雨鍼 Barometer. Reduced to 32° F. & sea level. 平均 Mean.	極高 Max.	極低 Min.	寒暑鍼 Thermometers. 平均 Mean.	極高 Max.	極低 Min.	露點温度 平均 Mean Temp. of Dew point.	蒸發力 平均 Mean elastic force of Vapour.	濕氣百分數 平均 Mean Humidity (Sat.=100)	無氣中日温度 極高 Vacuum solar radiation Max.	日温度 極高 Solar radiation Max	地温度 極低 Terrestial radiation Min.
	in	in	in	°	°	°	°	in		°	°	°
1	29.476	29.533	* 29.406	30.5	40 6	22 1	25 5	0.139	83	62.7	54 0	13.6
2	29.666	29.789	29.557	31.8	41.3	23.2	19 9	0.108	62	78.2	59.0	12 0
3	29.801	29.883	29 763	29.8	41.	* 17.5	18.9	0 106	64	111.1	62.6	* 5.0
4	30.046	30.203	29 915	31.8	42.8	21.5	23 3	0.126	66	112 0	61.0	12.9
5	30.242	30.271	30.185	37.7	40.8	24.5	27.9	0.157	70	113.9	75.0	19.5
6	30.003	30.210	29.677	45 0	54.3	31.5	39 8	0 261	82	102.0	67 5	33.0
7	29.558	29 692	29.479	50.1	* 62 9	41 1	42 6	0 277	81	120.5	80 2	32.3
8	29.734	29.787	29.640	38.4	47.1	31.0	25.5	0.140	59	* 133.0	74 0	22.6
9	29 759	29.833	29.689	33.9	44.8	25 6	19.3	0.107	55	118.0	73.5	12.2
10	29.863	29.899	29.818	35.2	47.7	19.9	26.1	0.147	81	113.0	70.9	7.9
11	29.851	29.932	29 781	42 0	48.8	29.6	31 1	0 177	75	121 7	77.0	21.0
12	29.816	29.895	29.759	36.4	43 5	27 5	19 7	0.108	50	112.5	71.0	10 8
13	29.869	29.917	29.818	33.9	45.8	20.3	19.7	0.109	55	117.2	78.0	9.2
14	29.957	30.086	29.868	34.5	44 9	22.8	21.6	0.119	57	116 0	71.5	10 2
15	30.111	30.161	30.053	35.0	45.7	26.7	23.3	0.127	62	105.2	68.3	15.9
16	29.965	30.054	29 870	31.9	35 4	26.6	26 2	0 145	80	52.6	43.2	13.8
17	29.977	30.128	29.857	34.1	42 4	28.0	27.6	0.154	68	102.5	61.0	15.5
18	30.174	30.263	30.144	34.5	47.1	20.4	25 2	0.138	72	118 0	72.1	5.9
19	30.183	30.247	30.136	36 2	46 8	28.9	26.7	0.146	68	110.8	67.8	20.8
20	30.299	* 30.404	30.201	34.1	42.5	26.7	22.1	0.120	61	114.1	66.2	16.0
21	30.260	30.317	30.109	33 4	42.6	22.4	26 2	0.143	75	88.7	54.3	11.4
22	29.840	30.008	29 726	38 3	45.8	32.0	33.0	0 191	82	112.9	70 9	25 7
23	29.974	30.129	29.887	39.5	51 4	29 8	27 5	0 153	63	124.5	77.8	14.5
24	30.183	30.224	30.136	39.8	50 0	28.9	25 8	0.144	58	123.0	85.0	16.1
25	30.237	30.314	30.123	38.4	45.9	30.0	29.5	0.166	71	85.0	63.0	21.8
26	29.936	30.092	29.829	43.1	55.2	30.0	33 8	0.197	70	120.9	82.8	19.3
27	30.000	30.045	29.959	41.8	53 2	35 0	30.0	0.167	64	86.2	62.0	27.8
28	30.061	30 138	30.017	41.7	52.5	32.2	29.0	0.163	62	124.0	*85.3	22.7
平均 Means.	29.959	...	...	36.9	...	...	26.7	0.151	68	...	...	...
至極 Max. & Min.	...	30.404	29.406	...	62.9	17.5	...	...	...	133.0	85.3	5.0

凡例

一風雨鍼ハ氷點及海面ニ改正ス

一寒暑鍼ハ都テ華氏ノ度表ヲ用フ

一露點、濕氣、蒸發力、ハ燥濕兩球寒暑鍼ノ實驗ヨリ算出ス

一風ノ方向及速力ハ自記驗風儀ヲ以テ之ヲ測ル而シテ方向ハ八點ニ分チ速力ハ英里ヲ以テ算ス

一天候ノ表中降雨、降雪、靄霧、雲ノ種類ハ悉皆觀望ノ時數ヲ揭ゲ陰部ハ一日間全陰ヲ十トシ他ハ之ニ比例ス又雨雪ノ水積ハ毎午前九時ニ實驗シ英寸ヲ以テ之ヲ示ス

一磁氣偏差ハ連日午前七時傾差及地平磁針力ハ連月兩回之ヲ觀測ス

一此觀測ノ用器ハ偏差儀傾差儀及「ユーニフアイラ」磁氣儀ナリ

一偏針角ノ觀測ニ於テ兩磁氣中心ノ相距ハ一、三英尺トス

一搖振時ノ觀測ニ用フル磁氣ノ尺度一劃分ノ價ハ二分、三七ナリ

NOTE.

The Barometer readings are reduced to freezing point (32° F) and sea level.

Dew point, Humidity and Elastic force of Vapour are deduced from the readings of the dry and wet bulb thermometers.

Direction and Velocity of Wind are measured by Glayser's anemograph.

The numbers under the headings of Rain, Snow, Fog and the kinds of Cloud (C. K. S. N. or Rain) denote how many, out of eight observations made in a day, are either of them.

The portion of sky obscured is determined by estimation after a careful scrutiny of the clouds or sky. A clear sky is denoted by 0, and a total obscuration by 10.

The amount of Rain and Snow are measured at 9 a. m.

The Magnetic declination is observed at 7 a. m. every day, the inclination and the horizontal intensity twice a month, the instruments in use being Declinometer, Inclinometer, and Unifilar Magnetometer.

The apparent distance between the centers of the deflecting and the suspending magnets in the observation of deflection, $r = 1.3$ feet.

The angular value of one scale division of the vibration magnet $= 2'.37$.

晴天 B. (Blue Sky). 陰天 C. (Cloudy Weather). 濛雨 D. (Drizzling, or Light Rain).
地震 E. (Earthquake). 霧 F. (Fog). 暗黒 G. (Dark, gloomy). 霰 H. (Hail).
電 L. (Lightning). 濃霧 M. (Misty). 陰雲 O. (Overcast). 驟雨 P. (Passing shower).
嵐 Q. (Squally). 雨 R. (Rain). 雪 S. (Snow). 雷 T. (Thunder).
天氣險惡ノ模樣 U. (Ugly, threatening). 天氣不定 V. (Variable Weather).
露 W. (Dew). 霞霧 Z. (Hazy). 月暈 *l. h.* (Lunar Halo). 虹 *r. b.* (Rainbow).
風 *w* (Wind). The force of wind is expressed by w_1, w_2, &c, as w_1 = slight, w_5 = strongest.
快晴 *f. p.* (Fine and pleasant). 薄晴 *f. d.* (Fine, but dull). 薄陰 *d.* (Dull).

氣象及磁氣月報

日本東京海軍觀象臺

明治十九年二月

MONTHLY REPORT

OF THE

METEOROLOGICAL AND MAGNETICAL OBSERVATIONS,

DURING

FEBRUARY 1886,

AT THE

NAVAL OBSERVATORY,

TOKIO.